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SmartGuimarães

A Smart City Strategy for All





DREAM

DEMONSTRATION
REINVENTION
ENGAGEMENT
ADHESION
MOBILIZATION





DREAM CONTEXT & OBJECTIVES

COP 21 Paris Agreement (2015)
One Planet Summit

- **Demonstrate and test innovative solutions** (technological and non-technological), a set of buildings (blocks) of a perfectly shaped area of cities (districts), reaching **positive-energy blocks**.
- **Eliminate barriers to replication** of demonstrated results.
- Introduce innovative technologies in the **market**.
- **Promote cooperation** with Smart Cities projects (completed and ongoing).
- **Work with citizens**, moving towards a more inclusive city.



DREAM GUIMARÃES



UNESCO World Heritage since 2001.

European Capital of Culture in 2012.

Signatory city of the European Covenant on Climate and Energy since 2013.

In 2016, Guimarães reached 2020 targets.

ECOXXI Award in 2017 – Most Sustainable Municipality in Portugal.

Candidate for European Green Capital in 2020.



DREAM AMBITION

The city of Guimarães aims at becoming **SmartGuimarães** – a *Smart City for All*.

SmartGuimarães as a model may be an inspiration for other European cities open to future and to a sustainable lifestyle.

DREAM CO-CREATION MOMENTS



BY&FOR CITIZENS
European Conference on Smart,
Sustainable and Resilient Cities





DREAM COOPERATION NETWORK



 **BY&FORCITIZENS**
European Conference on Smart,
Sustainable and Resilient Cities



DREAM GUIMARÃES





SmartGuimarães

District Couros

District name: **Couros**

Area: **0.48 km²**

Reduction of energy consumption: **4.050 MWh/year**

Total reduction of **CO₂** emitted: **1.097 t CO₂ eq/year**

Savings: **978.779 €/year**

SmartGuimarães

District Couros



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DREAM IMPACTS

- Meeting EU climate mitigation and adaptation goals and national and/or local energy, air quality and climate targets
- Significantly increased share of renewable energies and waste heat recovery
- Appropriate storage solution and their integration into the energy system
- Reduce greenhouse gas emissions
- Significantly improved energy efficiency
- Significantly improved level of optimized self-consumption
- Increased uptake of e-mobility solutions
- Improved air quality



SURE-PLAN MARKET ORIENTATION

One of DREAM objectives is to facilitate and accelerate the process of marketing the innovative technologies that will be demonstrated.

The strategy is described in 4 key words:

- Validation
- *Scale-up*
- Elimination of barriers
- Insertion into innovation chains



DREAM CONCLUSIONS

- DREAM strategy is an example on how synergies between structural funds and H2020 / FP9 funding opportunities can be developed;
- DREAM strategy delivers advices on how urban government and governance may evolve to better cope with Smart Cities challenges and opportunities;
- DREAM strategy focus on how to keep innovation, emerging and smart cities open to all actors and publics, considering growing global and local challenges and opportunities, such as diversity, competitiveness, sustainability, climate and innovation;
- DREAM strategy was designed **for All**.

SmartGuimarães, a Smart City for All



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THANK YOU FOR YOUR ATTENTION!

